

Safety Data Sheet

4% Magnesium Glucoheptonate

SDS Prepared: 1/30/2026

SDS Version: 1.0

Version Date: 1/30/2026

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Magnesium Glucoheptonate

CHEMICAL NAME: Magnesium Glucoheptonate Complex

EPA REGISTRATION NUMBER: Not Regulated

Manufactured by:
Reliant Ag Solutions, LLC
2230 Carolina Leaf Road
Greenville, NC 27834
Phone: 1-833-618-9691

Emergency Telephone Numbers
Chemtrec (24 hours)
1-800-424-9300
Reliant Ag Solutions, LLC (Weekdays – Eastern Standard Time)
1-833-618-9691

2. HAZARDS IDENTIFICATION SUMMARY

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS-US Classification

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). All ingredients are included on the TSCA Inventory List. This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

LABEL ELEMENTS

None

PRECAUTIONARY STATEMENTS (GHS-US)

P102 - Keep out of reach of children.

P203 - Obtain, read, and follow all safety instructions before use.

P280 - Wear protective gloves, protective clothing, and eye protection.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>GHS-US Classification</u>
Magnesium Glucoheptonate	Proprietary	Mixture	NOL/NOL

The specific chemical identity and/or exact composition percentage have been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]. In the event of an emergency, chemical identities and exact percentages of the proprietary ingredients may need to be disclosed to emergency personnel upon request.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least fifteen minutes, holding eyelids apart to ensure flushing of the entire eye surface. Do not let victim rub eyes. Seek medical attention.

SKIN: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

- INGESTION:** Call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
- INHALATION:** When symptoms occur, go into the open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

5. FIRE FIGHTING MEASURES

- FLASH POINT (°F/Test Method):** No data available
- FLAMMABLE LIMITS (LFL & UFL):** No data available.
- EXTINGUISHING MEDIA:** Foam, dry chemical, CO₂, water, or chemical foam. Water jet may spread fire.
- HAZARDOUS COMBUSTION PRODUCTS:** This product is a sugar complex and will not be flammable or combustible unless completely dehydrated at elevated temperatures.
- SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained positive-pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Clear fire area of unprotected personnel. Cool fire-exposed containers with water or fog. Attack from upwind.
- UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known

6. ACCIDENTAL RELEASE MEASURES

- SMALL SPILLS:** Soak up with absorbent and sweep or shovel into a suitable container for recovery or disposal.
- LARGE SPILLS:** Control and contain. Dike the spill to minimize contaminated area and facilitate salvage or disposal. Recover material for use, reprocessing, or disposal.

7. HANDLING AND STORAGE

- HANDLING:** Keep containers tightly closed. Use with adequate ventilation. Avoid prolonged or repeated contact with skin or eyes. Wash thoroughly with soap and water after handling. Wash hands before breaks and at the end of work.
- STORAGE:** Keep container tightly closed in a dry, cool place when not in use. Keep from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- PERMISSIBLE EXPOSURE LIMIT:** NOL
- SIGNS AND SYMPTOMS OF EXPOSURE:** Prolonged contact may cause irritation.
- MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Preexisting eye and skin conditions may be aggravated by exposure to this product. Unnecessary exposure to this product or any chemical should be avoided.
- PRIMARY ROUTES OF ENTRY:** Dermal
- ENGINEERING CONTROLS:** Use adequate exhaust ventilation to prevent inhalation of product vapors.
- RESPIRATORY PROTECTION:** None required with adequate ventilation. Use NIOSH-approved respiratory protection equipment if misty conditions exist.
- EYE PROTECTION:** Avoid contact with eyes. Wear full-face shield or chemical safety goggles when handling. Do not wear contact lenses.
- SKIN PROTECTION:** Avoid contact with skin. USDA-accepted nitrile or neoprene rubber gloves are recommended. Wear appropriate clothing to prevent repeated or prolonged skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

- COLOR AND PHYSICAL STATE:** Dark brown Liquid
- ODOR:** Slight odor
- SPECIFIC GRAVITY (Water=1):** 1.28 - 1.31
- VAPOR PRESSURE:** No data available
- VAPOR DENSITY (Air = 1):** No data available

% VOLATILITY (V/V):	No data available
BOILING POINT:	No data available
MELTING POINT:	No data available
SOLUBILITY:	Completely miscible in water, fluid fertilizers, and alkaline nitrogen solutions.
pH:	3.5 - 4.5
VISCOSITY @ 68°F (20°C):	No data available

Note: These physical data are typical values based on material tested, but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID:	Extreme temperatures
INCOMPATIBILITY:	Strong organic acids, oxidizing agents, and precipitates may form upon interaction with phosphate fertilizers.
HAZARDOUS DECOMPOSITION PRODUCTS:	May form nitrogen oxides.
HAZARDOUS POLYMERIZATION:	Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD ₅₀ :	Not classified
ACUTE DERMAL LD ₅₀ :	Not classified
ACUTE INHALATION LC ₅₀ :	Not classified
EYE IRRITATION:	Not classified
CARCINOGENIC POTENTIAL:	Not classified
SKIN IRRITATION/SENSITIZATION:	Not classified

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Place in trash or offer for recycling. Incinerate contaminated solids in accordance with local, state, and federal regulations.

Waste Disposal Methods: Dispose of in accordance with local, state, and federal regulations. Incineration in an authorized and permitted thermal treatment facility or chemical or biological treatment in authorized and permitted treatment facilities is recommended. Material collected with absorbent may be disposed of in a permitted landfill in accordance with federal, state, and local regulations. Triple rinse container and dispose of it in accordance with all local, state, and federal regulations or offer for recycling.

14. TRANSPORTATION INFORMATION

IN ACCORDANCE WITH DOT, IMDG, IATA:	Not regulated for transport by USDOT as a hazardous material.
FREIGHT CLASSIFICATION:	Liquid Fertilizer NOIBN NMFC No. 68100 Class 50

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

NFPA		HMIS	
0 Health	0 Reactivity	0 Health	0 Reactivity
1 Flammability		1 Flammability	C PPE

SARA Hazard Notification/Reporting SARA Title III Hazard Category:

Immediate: <u>N</u>	Fire: <u>N</u>	Sudden Release of Pressure: <u>N</u>
Delayed: <u>N</u>	Reactive: <u>N</u>	

Reportable Quantity (RQ) under U.S. CERCLA:	None
SARA, Title III, Section 313:	Contains no chemical subject to SARA 313.
SARA, Title III, Section 302:	EHS: None TPQ: 10,000 lbs.
RCRA Waste Code:	Not listed
CA Proposition 65:	Not listed

16. OTHER INFORMATION

SDS STATUS:	New
REASON FOR CHANGE:	New Product
PREPARED BY:	Emma Simpson, Chemist

Disclaimer and Limitation of Liability: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and Reliant Ag Solutions, LLC disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.